



November 15, 2007

The Honorable Charles L. A. Terreni
Chief Clerk and Administrator
The Public Service Commission of South Carolina
101 Executive Center Drive
Columbia, South Carolina 29210

RE: **Docket No. 2000-366-A – Application of Chem-Nuclear Systems, LLC, A Subsidiary of Duratek, Inc. for Adjustment in the Level of Allowable Costs and for Identification of Allowable Costs - Petition to Intervene of Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. ("PEC")**

Dear Mr. Terreni:

Enclosed for filing please find Progress Energy Carolinas, Inc.'s Petition to Intervene in the above referenced Docket.

All Parties of Record have been served with this Petition in accordance with the attached certificate of service.

Sincerely,

/s/

Len S. Anthony
Deputy General Counsel – Regulatory Affairs

LSA:mhm

Enclosure

cc: Parties of Record

257763

BEFORE
THE PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA
DOCKET NO. 2000-366-A

IN RE: Application of Chem-Nuclear Systems,)	
LLC, A Subsidiary of Duratek, Inc. for Adjustment)	PROGRESS ENERGY CAROLINAS, INC.
in the Levels of Allowable Costs and For)	PETITION TO INTERVENE
Identification of Allowable Costs)	

Carolina Power & Light Company, d/b/a Progress Energy Carolinas, Inc. ("PEC"), pursuant to the Public Service Commission of South Carolina ("the Commission") Rules 103-830, 103-836, and other applicable Rules and Statutes, petitions the Commission for an Order allowing PEC to intervene as a Party of Record and participate in the above described docket. PEC shows as follows:

1. PEC is an electric utility, generating, transmitting, distributing, and selling electric power in the state of South Carolina, subject to the jurisdiction of this Commission. PEC is a North Carolina Corporation, domesticated to conduct and conducting business within the state of South Carolina. PEC owns and operates four nuclear electric generation facilities in North and South Carolina.

2. The attorney authorized to receive communications and pleadings relevant to this Petition is:

Len S. Anthony
Deputy General Counsel - Carolinas
P. O. Box 1551
410 South Wilmington Street
Raleigh, North Carolina 27602
Telephone: (919) 546-6367

3. Chem-Nuclear Systems, LLC ("Chem-Nuclear") filed an Application on September 27, 2007 with the Public Service Commission of South Carolina ("the Commission") for adjustment in the levels of certain allowable costs and for the identification of certain allowable costs for the operation of

its regional low-level radioactive waste disposal facility located in the vicinity of Barnwell, South Carolina.

4. PEC's Robinson Nuclear Unit is located in South Carolina, near the City of Hartsville. Its other three nuclear units are located in North Carolina. All four nuclear units are used by PEC to meet the electricity needs of PEC's retail electric customers in South Carolina. Each of these nuclear units produces low-level nuclear waste, some or all of which is disposed of at the Chem-Nuclear Barnwell low-level waste disposal facility.

5. PEC has a substantial and material interest in the subject matter of this proceeding, in that its costs to dispose of its low-level nuclear waste will be impacted by the Commission's decision in this proceeding, which, in turn, will impact PEC's cost to provide electricity to its South Carolina retail customers. Therefore, PEC should be allowed to intervene and participate fully in this Docket and any hearing later scheduled in this matter.

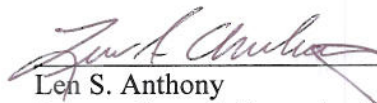
6. PEC anticipates at most one (1) hour of cross-examination.

WHEREFORE, PEC requests that this Commission issue an Order:

- 1) granting PEC's request to be allowed to intervene in this matter and participate fully in the Docket and any hearing to be scheduled in this matter.
- 2) granting PEC all rights attendant to intervenor status.
- 3) such other and further relief as this Commission may deem just and proper.

Respectfully submitted this the 15th day of November, 2007.

PROGRESS ENERGY CAROLINAS, INC.



Len S. Anthony
Deputy General Counsel - Carolinas
Post Office Box 1551
Raleigh, North Carolina 27602
Telephone: (919) 546-6367

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DOCKET NO. 2000-366-A

IN RE: Application of Chem-Nuclear Systems,)
LLC, A Subsidiary of Duratek, Inc. for Adjustment)
in the Levels of Allowable Costs and For)
Identification of Allowable Costs)

CERTIFICATE OF SERVICE

I, Marsha H. Manning, employee of PEC, hereby certify that I have placed copies of PEC's Petition to Intervene in the U. S. Mail on this date, to the parties of record at the addresses shown below, with sufficient postage attached:

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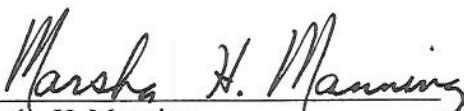
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Post Office Box 8416
Columbia, SC 29202

This the 15th day of November, 2007.


Marsha H. Manning
Senior Legal Secretary to Len S. Anthony